

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4782	easy adj axis	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/20 16:27
S2	1927632	AP?pinned antiferromagnetically ferrimagnetic\$5 coupled self?pinned SAF (synthetic adj antiferromagnet\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/20 16:28
S3	3186576	angle tilt tilted slanted canted diagonal\$3 inclined oriented	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 16:29
S4	1711	S1 and S2 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 16:30
S5	123832	MR magnetoresist\$5 spin?valve SV SVMR GMR TMR TJMR tunnel?junction	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 16:30
S6	174	S1 same S2 same S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 16:30
S7	43	S6 same S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 17:39
S8	3	"3879760".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 17:39
S9	9	(US-20060038213-\$ or US-20020182442-\$ or US-20010055183-\$).did. or (US-6829121-\$ or US-5500590-\$ or US-5260652-\$ or US-4956736-\$ or US-3879760-\$ or US-4356523-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/07/20 17:43

## EAST Search History

S10	264312	reorient\$6 flip flipping flipped	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 20:01
S11	358500	reversed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 20:01
S12	9	(US-20060038213-\$ or US-20020182442-\$ or US-20010055183-\$).did. or (US-6829121-\$ or US-5500590-\$ or US-5260652-\$ or US-4956736-\$ or US-3879760-\$ or US-4356523-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/07/20 20:12
S13	3	S12 and (S10 S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/20 20:01
S14	4	"20030179512".did. ("6594124" "6324037" "5680281").pn.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:20
S15	0	("200564356").did.	DERWENT	OR	ON	2006/08/14 15:58
S16	2	("2003104937").did.	DERWENT	OR	ON	2006/08/14 15:59
S17	0	("0564356").did.	DERWENT	OR	ON	2006/08/14 15:59
S18	14	(\$5"564356").did.	DERWENT	OR	ON	2006/08/14 16:54
S19	2299	(\$5"7179").did.	DERWENT	OR	ON	2006/08/14 16:54
S20	96	(\$5"007179").did.	DERWENT	OR	ON	2006/08/14 16:54
S21	523	(360/324.11).ccls.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:31
S22	13594	(easy).clm.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:32
S23	609726	(axis).clm.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:37
S24	786890	(cantled slanted angled angle tilt tilted oblique degrees inclined oriented diagonal\$3).clm.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:36
S25	921882	(direction).clm.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:33
S26	4127	S22 and S24	US-PGPUB; USPAT	OR	ON	2006/08/14 21:33
S27	1569	S23 and S26	US-PGPUB; USPAT	OR	ON	2006/08/14 21:33

## EAST Search History

S28	1711	S25 and S26	US-PGPUB; USPAT	OR	ON	2006/08/14 21:33
S29	2353	S27 S28	US-PGPUB; USPAT	OR	ON	2006/08/14 21:33
S30	7087	(MR GMR TMR SV SVMR (spin adj (valve bulb)) (tunnel adj junction)).clm.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:36
S31	5979	(magnetoresist\$5).clm.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:37
S32	178	S27 and (S30 S31)	US-PGPUB; USPAT	OR	ON	2006/08/14 21:37
S33	621454	(pinned fixed reference).clm.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:37
S34	4596	(SAF AP antiparal\$5 ferrimagnetic\$5).clm.	US-PGPUB; USPAT	OR	ON	2006/08/14 21:38
S35	74	S32 and (S33 S34)	US-PGPUB; USPAT	OR	ON	2006/08/14 21:38